

Patent Abstracts of Japan

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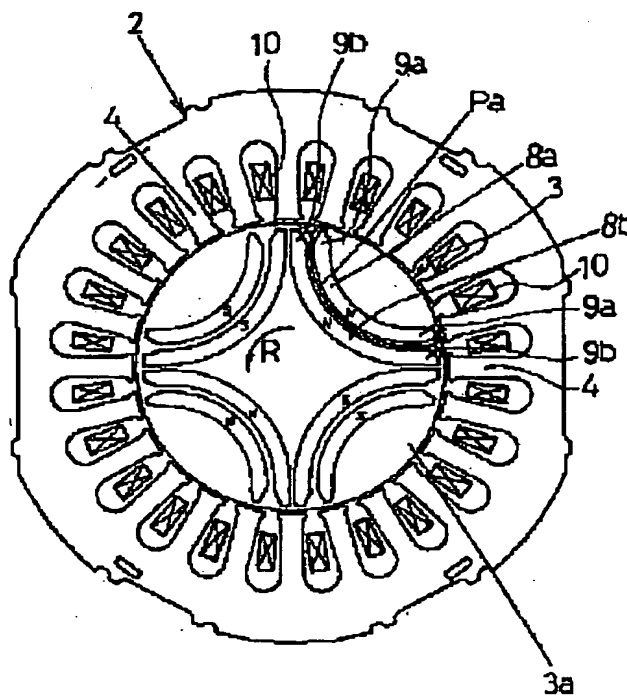
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INVENTOR : SUMIYA NAOYUKI;

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TITLE : ROTOR WITH PERMANENT MAGNET



ABSTRACT : **PURPOSE:** To obtain a rotor with permanent magnet in which the reluctance torque can be utilized effectively regardless of the rotary position of the rotor.

CONSTITUTION: The rotor 3 comprises a rotor body 3a made of a material having high permeability buried with a plurality of permanent magnets 8a, 8b in the circumferential direction of the rotor. The permanent magnet 8a, 8b is buried perpendicularly to the rotor surface with the opposite end parts 9a, 9b being tapered at the position close to the rotor surface.

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